AMENDMENTS TO THE CLAIMS:

Please amend the claims as follows:

1. (Currently Amended)   A method of storing channel information in a digital television receiver, comprising:

tuning to a selected physical channel;

reading program specific information on the selected physical channel;

determining whether the physical channel is PSIP compliant;

storing in a first lookup table an attribute explicitly designating as a table entry that a major channel associated with the physical channel is or is not a PSIP compliant channel;

storing an attribute in a table, said attribute designating whether the physical channel is a PSIP compliant channel;

if the selected physical channel is a PSIP compliant channel:

storing a TSID corresponding to the selected physical channel as entries in a second lookup table; and

storing a major channel corresponding to the selected physical channel as entries in a third lookup table.

2. (Currently Amended)   The method of claim 1, further comprising:

incrementing the physical channel;

tuning to the incremented physical channel;

reading program specific information on the incremented physical channel;

determining whether the incremented physical channel is PSIP compliant;

storing an attribute in the first lookup table a table, said attribute designating whether the incremented physical channel is a PSIP compliant channel;

if the incremented physical channel is a compliant PSIP channel:

storing a TSID corresponding to the incremented physical channel as entries in the second lookup table; and

storing a major channel corresponding to the incremented physical channel as entries in the third lookup table.

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3. (Original) The method of claim 2, further comprising after the incrementing, determining if selected physical channel is a last physical channel, and if so, then stopping.

4. (Currently Amended) The method of <u>claim 3, carried out as an automatic channel programming process in a digital television receiver</u> ~~claim 1, wherein each storing act comprises storing the attribute in a lookup table reserved for storing the PSIP attribute for each channel~~.

5. (Currently Amended) The method of claim 4, wherein the lookup <u>tables are</u> ~~table is~~ stored in a non-volatile memory device.

6.-7. (Cancelled)

8. (Currently Amended) A method of autoprogramming channel information in a digital television receiver, comprising for each of a plurality of N physical channels:

tuning to a selected physical channel;

reading program specific information on the selected physical channel;

determining whether the physical channel is PSIP compliant;

<u>storing in a first lookup table an attribute explicitly designating as a table entry that a major channel associated with the physical channel is or is not a PSIP compliant channel;</u>

~~storing an attribute in a table, said attribute designating whether the physical channel is a PSIP compliant channel;~~

if the selected physical channel is a compliant PSIP channel:

storing a TSID corresponding to the selected physical channel <u>as entries in a second lookup table;</u> and

storing a major channel corresponding to the selected physical channel <u>as entries in a third lookup table</u>.

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9. (Original) A method of storing channel information in a digital television receiver, comprising:

 tuning to a selected physical channel;

 reading program specific information on the selected physical channel;

 determining whether the physical channel is PSIP compliant;

 storing in a first table an attribute explicitly designating as a table entry that a major channel associated with the physical channel is or is not a PSIP compliant channel;

 ~~storing an attribute in a table, said attribute designating whether the physical channel is a PSIP compliant channel;~~

 if the selected physical channel is a PSIP compliant channel:

storing a TSID corresponding to the selected physical channel as entries in a second lookup table;

storing a major channel corresponding to the selected physical channel as entries in a third lookup table;

 incrementing the physical channel;

 tuning to the incremented physical channel;

 reading program specific information on the incremented physical channel;

 determining whether the incremented physical channel is PSIP compliant;

 storing an attribute in the first lookup table ~~a table~~, said attribute designating whether the incremented physical channel is a PSIP compliant channel;

 if the incremented physical channel is a compliant PSIP channel:

storing a TSID corresponding to the incremented physical channel as entries in the second lookup table; and

storing a major channel corresponding to the incremented physical channel as entries in the third lookup table.

10. (Original) The method of claim 9, further comprising after the incrementing, determining if selected physical channel is a last physical channel, and if so, then stopping.

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11.-13. (Cancelled)

14. (Currently Amended)   The method of <u>claim 10</u> ~~claim 13~~, wherein the three lookup tables are stored in a non-volatile memory device.

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